ZyXEL

User's Guide

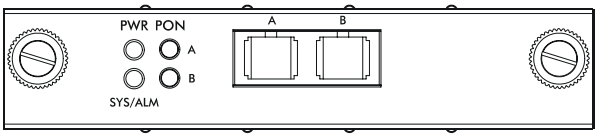
OLC-1302-22

GEPON Line Card

Version 1.00
Edition 1, 1/2009

Overview

The OLC-1302-22 comes with two PON ports. It is designed for use with GEPON OLTs, such as the OLT-1308S-22. The PON port can support up to 32 ONU connections at distances of up to 20 Km.



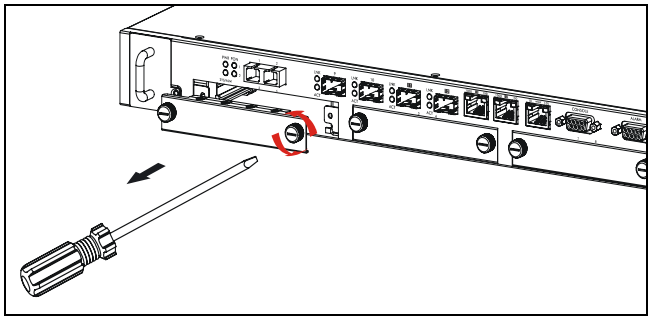
LEDs

The following table describes the LEDs on the OLC-1302-22.

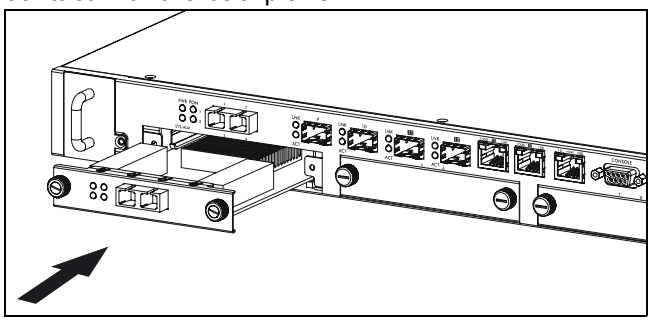
LED	Color	Status	Description
PWR	Green	On	The OLC-1302-22 is getting proper input power voltage and is turned on.
		Off	The OLC-1302-22 is off due to abnormal input power voltage or the power is off.
SYS/ ALM	Green	On	The OLC-1302-22 is ready to work.
		Off	The power is off or the OLC-1302-22 is malfunctioning or not ready.
	Red	On	There is a hardware failure.
		Off	The line card is functioning normally.
PON (A, B)	Green	On	The PON port is connected to at least one ONU.
		Off	The PON port is not connected to an ONU or the connection to an ONU is down.

Installing the OLC-1302-22

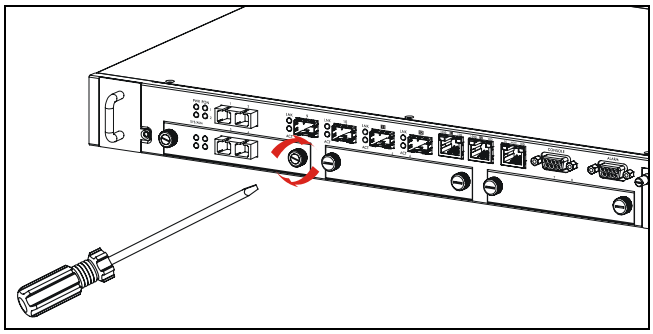
1. Loosen the two thumbscrews on the OLT's slot cover. Remove it.



2. Grasp the center of the front panel of the OLC-1302-22 with one hand and place the other hand under the OLC-1302-22 to support it.
3. Slide the OLC-1302-22 into the slot until it makes contact with the backplane.

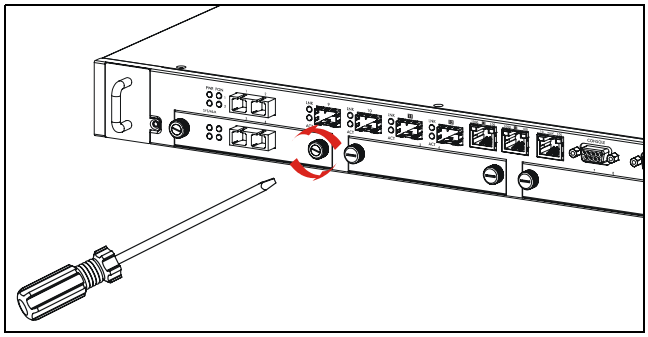


4. Tighten the two thumbscrews on the front panel of the OLC-1302-22.



Removing the OLC-1302-22

1. Loosen the two thumbscrews on the front panel of the OLC-1302-22.



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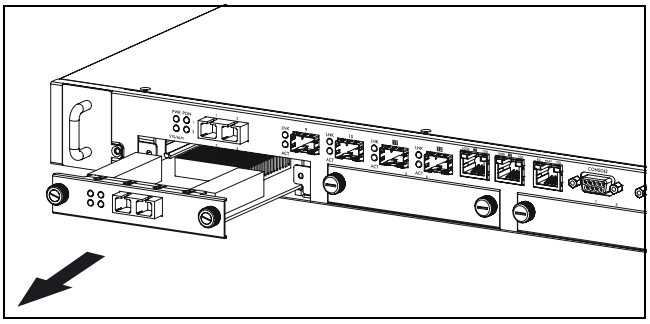
2. Grasp the center of the front panel of the OLC-1302-22 with one hand and place the other hand under the OLC-1302-22 to support it.

3. Slide the OLC-1302-22 out of the slot.



Product Specifications

Dimensions	210 mm (W) x 110 mm (D)
Weight	234 g
Two PON ports	Compliant with IEEE 802.3ah SC/UPC optical connectors with shutters TDMA/burst for upstream & continuous broadcasting mode for downstream Wavelength: 1.31um upstream and 1.49um downstream Transmission Distance: 20 km
Operating Environment	Temperature: 0 ºC ~ 45 ºC Humidity: 10%~ 95% RH (non-condensing)
Storage Environment	Temperature: -40 ºC ~ 70 ºC Humidity: 10%~ 95% RH (non-condensing)
Certifications	Safety IEC60950-1 (no CB report) EN 60950-1 for Europe UL 60950-1 for USA CSA No. 22.2 Std. 60950-1 for Canada Compliant to Class 1 for laser safety according to IEC 825-2. EMC EN 300 386 v1.3.1 EN 55022 (CISPR 22) (Class A for Europe) FCC Part 15 (Class A for USA) AS/NZS CISPR 22:2002 EN61000-3-2 Power line harmonics EN61000-3-3 Voltage fluctuations

Safety Warnings

- Ground yourself (by properly using an anti-static wrist strap for example) whenever working with the device's hardware or connections.
- Do NOT use this product near water, for example, in a wet basement or near a swimming pool.
- Do NOT expose your device to dampness, dust or corrosive liquids.
- Do NOT store things on the device.
- Do NOT install, use, or service this device during a thunderstorm. There is a remote risk of electric shock from lightning.
- Connect ONLY suitable accessories to the device.
- ONLY qualified service personnel should service or disassemble this device.
- Make sure to connect the cables to the correct ports.
- Place connecting cables carefully so that no one will step on them or stumble over them.
- Always disconnect all cables from this device before servicing or disassembling.
- Do NOT allow anything to rest on the power adaptor or cord and do NOT place the product where anyone can walk on the power adaptor or cord.
- Do NOT use the device if the power adaptor or cord is damaged as it might cause electrocution.
- Do not use the device outside, and make sure all the connections are indoors. There is a remote risk of electric shock from lightning.
- Do NOT obstruct the device ventilation slots, as insufficient airflow may harm your device.
- Warning! To avoid risk of electric shock, remove only one card at a time and do not place fingers or objects inside the chassis. Cover empty slots with slot covers.
- The length of exposed (bare) power wire should not exceed 10 mm.
- Energy Hazard Warning! Remove all metal jewelry, watches, and so on from your hands and wrists before serving this device.
- This product is recyclable. Dispose of it properly.

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